

WEST Search History

DATE: Monday, June 11, 2007

Hide?	Set Name	Query	Hit Count
	<i>DB=USPT,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L19	L18 and (encapsul\$9 or coat\$9 or partic\$9) with (enzyme or protease or amylase)	4
<input type="checkbox"/>	L18	L10 and gel	5
<input type="checkbox"/>	L17	L16 and (encapsul\$9 or coat\$9) with (enzyme or protease or amylase)	0
<input type="checkbox"/>	L16	L15 and partic\$9 with (enzyme or protease or amylase)	5
<input type="checkbox"/>	L15	L14 and gel	5
<input type="checkbox"/>	L14	L1 and (boron or borate) adj2 free	5
<input type="checkbox"/>	L13	L12 and gel	0
<input type="checkbox"/>	L12	L11 and (encapsul\$9 or coat\$9) with (enzyme or protease or amylase)	1
<input type="checkbox"/>	L11	L10 and partic\$9 with (enzyme or protease or amylase)	7
<input type="checkbox"/>	L10	L1 NOT (borate or Boron)	9
<input type="checkbox"/>	L9	L8 and (encapsul\$9 or coat\$9) with (enzyme or protease or amylase)	2
<input type="checkbox"/>	L8	L7	24
	<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L7	L2 and (detergent or laundry or dishwashing) with (nonaqueous or non-aqueous)	43
<input type="checkbox"/>	L6	L5 NOT L4	2
<input type="checkbox"/>	L5	(detergent or laundry or dishwashing) and (nonaqueous or non-aqueous) and migration speed	3
<input type="checkbox"/>	L4	L2 and migration speed	1
<input type="checkbox"/>	L3	L2 and migration speed and gel	1
<input type="checkbox"/>	L2	L1 and partic\$9 with (enzyme or protease or amylase)	85
<input type="checkbox"/>	L1	(detergent or laundry or dishwashing) and (nonaqueous or non-aqueous) and polyacrylic acid and (phosphate or sulphate or sulfate or carboxylate or hydroxycarboxylate) and (protease or amylase) and propylene glycol and calcium salt and (sugar or starch) and (dye or pigment or color)	122

END OF SEARCH HISTORY

	E	F	G	H	I
MBFS ¹	22	16.5	11	1-5.5	10-25
Any Combination of:	0	1-5.5	11	16.5	0-5
C45 AS					
C45E1S					
LAS					
C16 SAS					
C14-17 NaPS					
C14-18 MES					
AQA	0-2	0-2	0-2	0-2	0-4
C23E6.5 or C45E7	1.5	1.5	1.5	1.5	0-4
Zeolite A	27.8	27.8	27.8	27.8	20-30
PAA	2.3	2.3	2.3	2.3	0-5
Carbonate	27.3	27.3	27.3	27.3	20-30
Silicate	0.6	0.6	0.6	0.6	0-2
PB1	1.0	1.0	1.0	1.0	0-3
Protease	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
Cellulase	0-0.3	0-0.3	0-0.3	0-0.3	0-0.5
Amylase	0-0.5	0-0.5	0-0.5	0-0.5	0-1
SRP 1	0.4	0.4	0.4	0.4	0-1
Brightener 1 or 2	0.2	0.2	0.2	0.2	0-0.3
PEG	1.6	1.6	1.6	1.6	0-2
Sulfate	5.5	5.5	5.5	5.5	0-6
Silicone Antifoam	0.42	0.42	0.42	0.42	0-0.5
Moisture & Minors			Balance		
Density (g/L)	663	663	663	663	600-700

¹Mid-branched fatty soaps are selected according to the invention as exemplified by example 78

EXAMPLE III

The following laundry detergent compositions J to N are prepared in accord with the invention:

	J	K	L	M	N
MBFS ¹	16.5	12.5	8.5	4	1-25
Any Combination of:	0-6	10	14	18.5	0-20
C45 AS					
C45E1S					
LAS					
C16 SAS					
C14-17 NaPS					
C14-18 MES					
AQA	0-2	0-2	0-2	0-2	0-4
TFAA	1.6	1.6	1.6	1.6	0-4
C24E3, C23E6.5	5	5	5	5	0-6
Zeolite A	15	15	15	15	10-30
NaSKS-6	11	11	11	11	5-15
Citrate	3	3	3	3	0-8
MA/AA	4.8	4.8	4.8	4.8	0-8
HEDP	0.5	0.5	0.5	0.5	0-1
Carbonate	8.5	8.5	8.5	8.5	0-15
Percarbonate or PB1	20.7	20.7	20.7	20.7	0-25
TAED	4.8	4.8	4.8	4.8	0-8
Protease	0.9	0.9	0.9	0.9	0-1
Lipase	0.15	0.15	0.15	0.15	0-0.3
Cellulase	0.26	0.26	0.26	0.26	0-0.5
Amylase	0.36	0.36	0.36	0.36	0-0.5
SRP 1	0.2	0.2	0.2	0.2	0-0.5
Brightener 1 or 2	0.2	0.2	0.2	0.2	0-0.4
Sulfate	2.3	2.3	2.3	2.3	0-25
Silicone Antifoam		0.4	0.4	0.4	0-1
Moisture & Minors			Balance		
Density (g/L)	850	850		850	850

¹Mid-branched fatty soaps are selected according to the invention as exemplified by example 78

EXAMPLE IV

The following laundry detergent compositions O to T are prepared in accord with the invention:

	O	P	Q	R	S	T
MBFS ¹	32	24	16	8	4	1-35
Any Combination of:	0	8	16	24	28	0-35
C45 AS						
C45E1S						
LAS						
C16 SAS						
C14-17 NaPS						
C14-18 MES						
C23E6.5 or C45E7	3.6	3.6	3.6	3.6	3.6	0-6
AQA	0-1	0-1	0-1	0-1	0-1	0-4
Zeolite A	9.0	9.0	9.0	9.0	9.0	0-20
PAA or MA/AA	7.0	7.0	7.0	7.0	7.0	0-10
Carbonate	18.4	18.4	18.4	18.4	18.4	5-25
Silicate	11.3	11.3	11.3	11.3	11.3	5-25
PB1	3.9	3.9	3.9	3.9	3.9	1-6
NOBS	4.1	4.1	4.1	4.1	4.1	0-6
Protease	0.9	0.9	0.9	0.9	0.9	0-1.3
Amylase	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
Cellulase	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3
SRP1	0.5	0.5	0.5	0.5	0.5	0-1
Brightener 1 or 2	0.3	0.3	0.3	0.3	0.3	0-0.5
PEG	0.2	0.2	0.2	0.2	0.2	0-0.5
Sulfate	5.1	5.1	5.1	5.1	5.1	0-10
Silicone Antifoam	0.2	0.2	0.2	0.2	0.2	0-0.5
Moisture & Minors			Balance			
Density (g/L)	810	810	810	810	810	810

¹Mid-branched fatty soaps are selected according to the invention as exemplified by example 78

EXAMPLE V

30 The following high density detergent formulations U to X, according to the present invention, are prepared:

	U	V	W	X
Agglomerate				
C45AS	11.0	7.0	4	14.0
MBFS ¹	3.0	10.0	17.0	3.0
Zeolite A	15.0	12.0	10.0	10.0
Carbonate	4.0	4.0	4.0	8.0
PAA or MA/AA	4.0	4.0	4.0	2.0
CMC	0.5	0.5	0.5	0.5
DTPMP	0.4	0.4	0.4	0.4
Spray On				
C23E6.5	5.0	5.0	5.0	5.0
Perfume	0.5	0.5	0.5	0.5
Dry Adds				
C45AS	6.0	6.0	3.0	3.0
HEDP	0.5	0.5	0.5	0.3
SKS-6	13.0	13.0	13.0	6.0
Citrate	3.0	3.0	3.0	1.0
TAED	5.0	5.0	5.0	7.0
Percarbonate	20.0	20.0	20.0	20.0
SRP 1	0.3	0.3	0.3	0.3
Protease	1.4	1.4	1.4	1.4
Lipase	0.4	0.4	0.4	0.4
Cellulase	0.6	0.6	0.6	0.6
Amylase	0.6	0.6	0.6	0.6
Silicone antifoam	5.0	5.0	5.0	5.0
Brightener 1	0.2	0.2	0.2	0.2
Brightener 2	0.2	0.2	0.2	—
Balance (Water/Miscellaneous)	100	100	100	100
Density (g/liter)	850	850	850	850

¹Mid-branched fatty soaps are selected according to the invention as exemplified by example 78

EXAMPLE VI

65 The following laundry detergent compositions Y to BB suitable for hand-washing soiled fabrics are prepared in accord with the invention: